

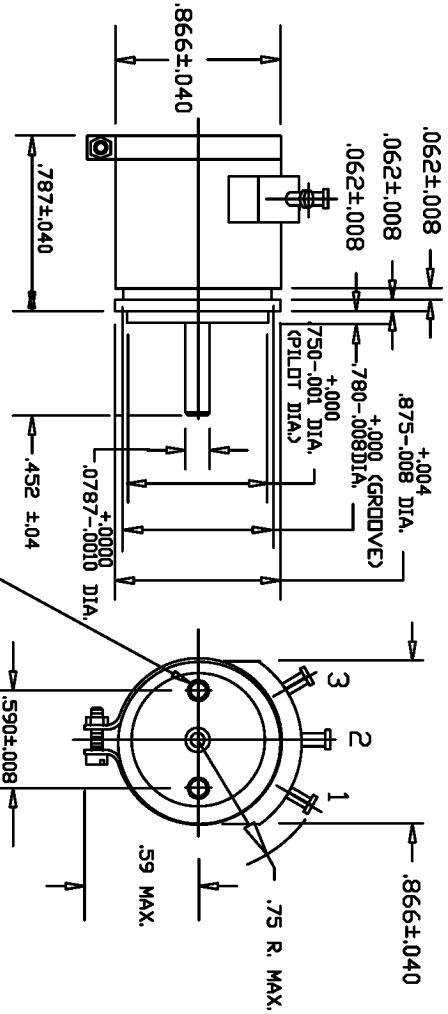
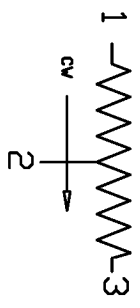
ELECTRICAL

RESISTANCE RANGE ----- 100 OHMS TO 20K OHMS
 RESISTANCE TOLERANCE ----- ±3%
 LINEARITY INDEPENDENT ----- ±0.5%
 END RESISTANCE ----- 1 OHM OR 0.1% WHICHEVER IS GREATER
 ELECTRICAL ANGLE ----- 355±45°
 ELECTRICAL NOISE ----- 100 OHMS MAX.
 POWER RATING ----- 0.3 WATTS
 INPUT VOLTAGE ----- 80 VOLTS MAX.
 INSULATION RESISTANCE ----- 100 MEGOHMS AT 1000V
 DIELECTRIC STRENGTH ----- 1000 VAC MIN.

MECHANICAL

NUMBER OF TURNS ----- 1
 MECHANICAL ANGLE ----- CONTINUOUS
 ROTATIONAL TORQUE ----- 0.021 DZIN. MAX.
 SERVO MOUNT ----- BALL BEARING
 SHAFT RUNOUT ----- 0.003 IN. MAX.
 PILOT DIA. RUNOUT ----- 0.003 IN. MAX.
 LATERAL RUNOUT ----- 0.003 IN. MAX.
 SHAFT END PLAY ----- 0.005 IN. MAX.
 SHAFT RADIAL PLAY ----- 0.002 IN. MAX.
 LIFE(SHAFT REVOLUTIONS) ----- 100,000
 WEIGHT APPROX. ----- 0.6 OZ.
 OPERATING TEMPERATURE ----- -30°C TO +85°C

SCHEMATIC



OPTIONAL FEATURES AVAILABLE

MACHINED SHAFT
 CENTER TAP
 ROTATIONAL STOPS
 RESISTANCE TOLERANCE TO 1%
 LINEARITY TOLERANCES TO 0.2%

STANDARD RESISTANCE AND RESOLUTION CHART

RESISTANCE OHMS	10	20	50	100	200	500	1K	2K	5K	10K	20K
RESOLUTION %	.333	.270	.333	.270	.213	.222	.175	.135	.100	.079	.060
TEMPERATURE COEFFICIENT PPM/°C	700	700	80	80	80	20	20	20	20	20	20

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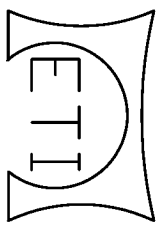
TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"
 XXX = +/- .005" ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

REV.	BY	DATE	PART NO.
C	BT	10-31 87	SLNBB22

TITLE
 LOW TORQUE
 SINGLE TURN
 POTENTIOMETER



SYSTEMS
 CARLSBAD
 CALIFORNIA

PART NO.
SLNBB22